Figure 1

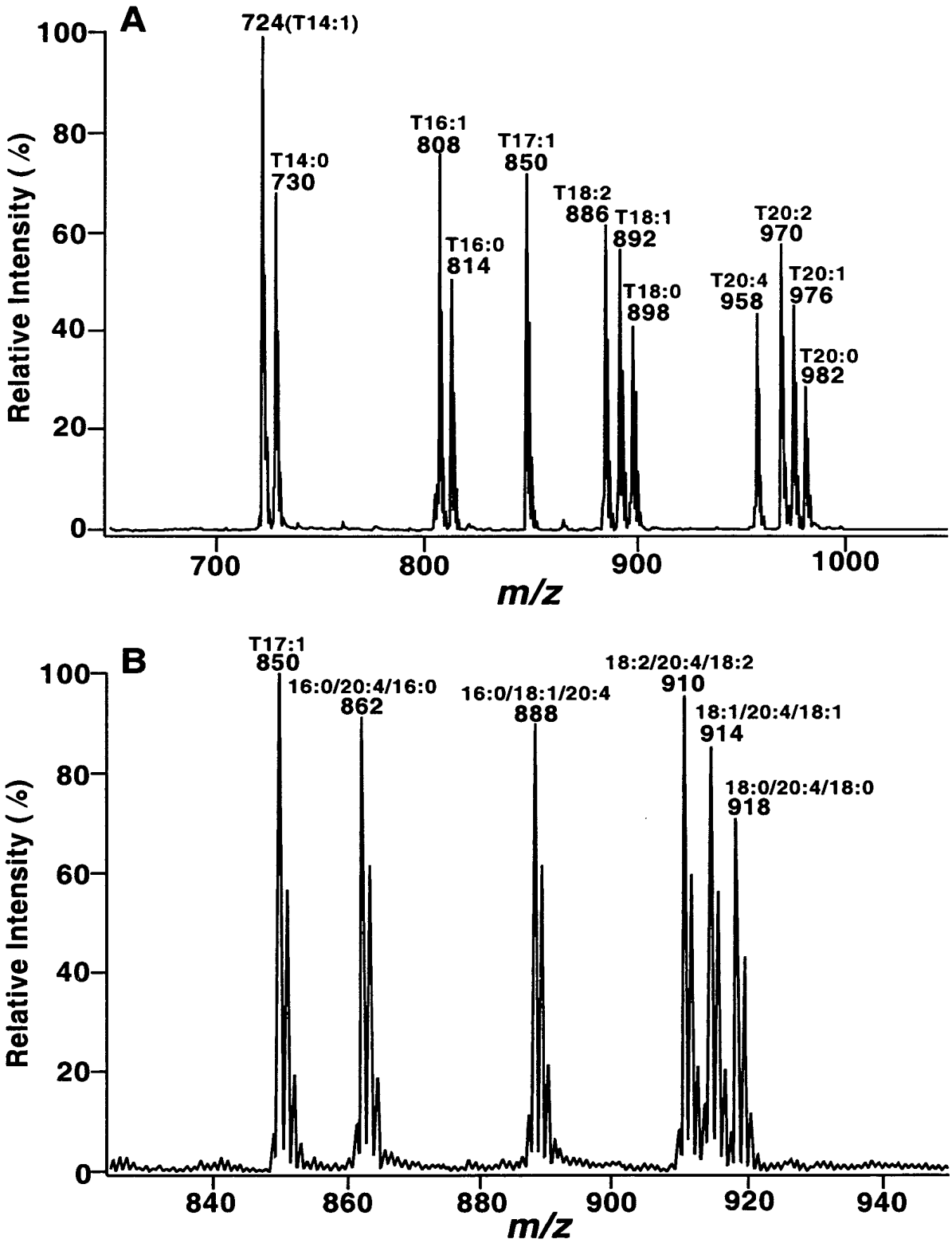

A
724(T14:1)
T14:0
730
T16:1
808
T16:0
814
T17:1
850
T18:2
886
T18:1
892
T18:0
898
T20:4
958
T20:2
970
T20:1
976
T20:0
982
Relative Intensity (%)
m/z
B
T17:1
850
16:0/20:4/16:0
862
16:0/18:1/20:4
888
18:2/20:4/18:2
910
18:1/20:4/18:1
914
18:0/20:4/18:0
918
Relative Intensity (%)
m/z

Figure 2

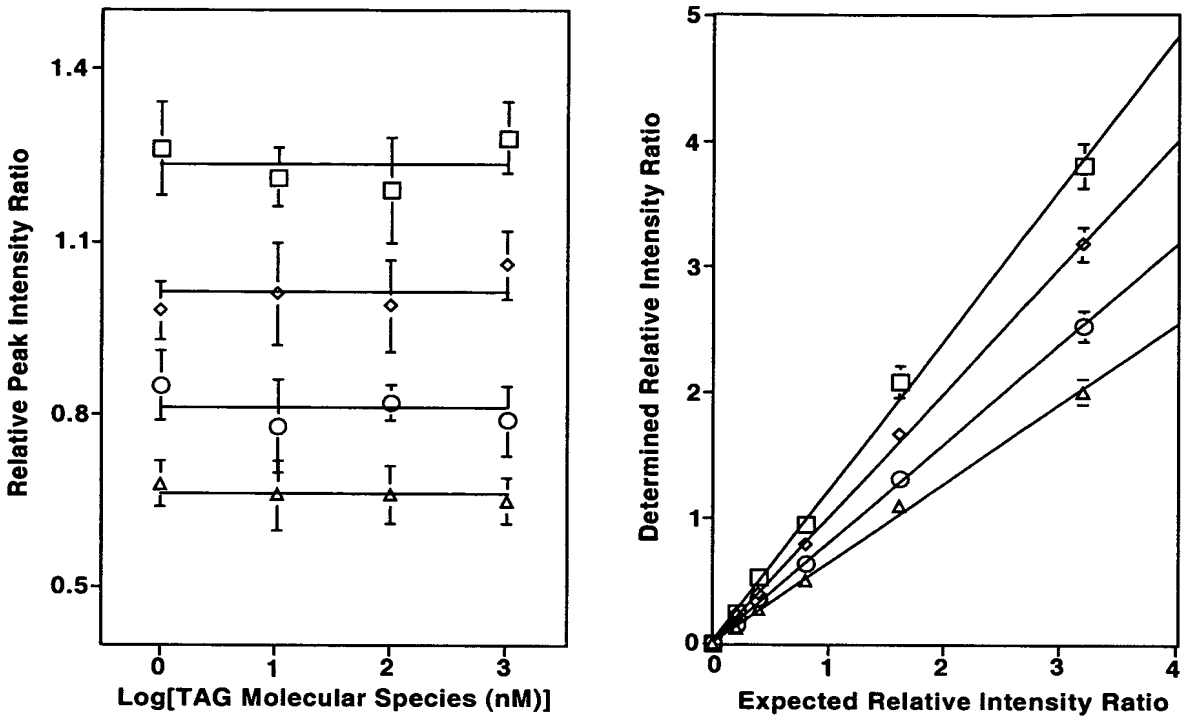
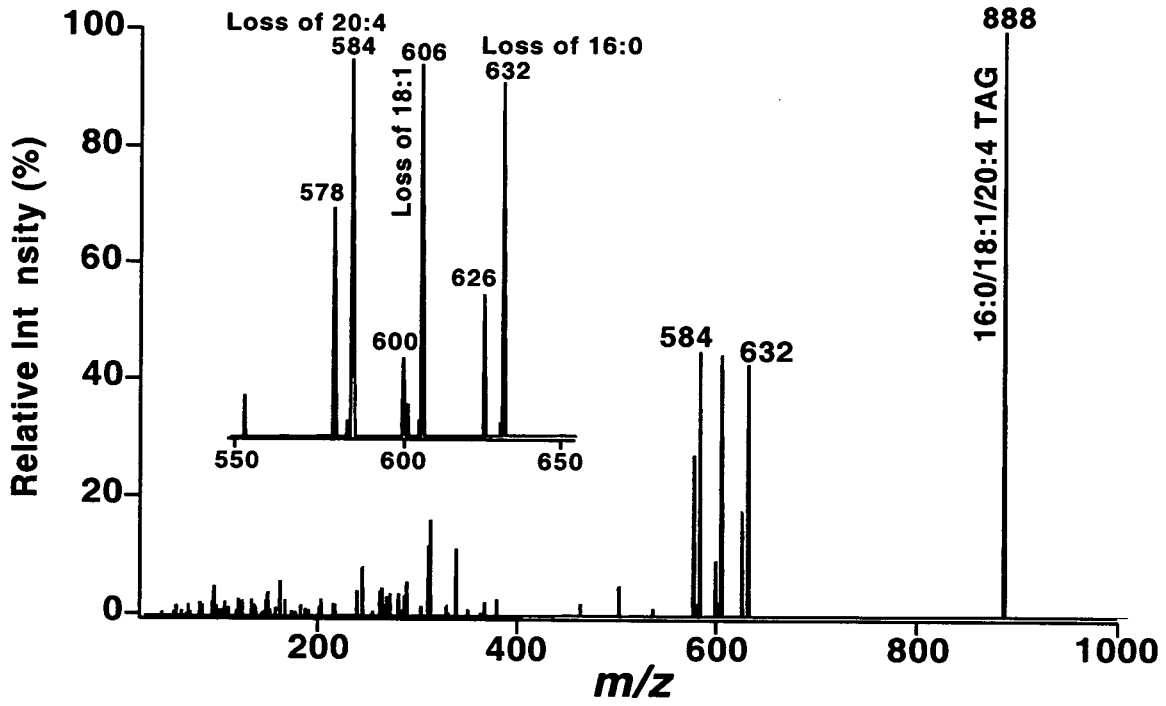

Relative Peak Intensity Ratio
1.4
1.1
0.8
0.5
0
1
2
3
Log[TAG Molecular Species (nM)]
Determined Relative Intensity Ratio
5
4
3
2
1
0
0
1
2
3
4
Expected Relative Intensity Ratio

Figure 3


Loss of 20:4
584
606
Loss of 16:0
632
Loss of 18:1
578
626
600
584
632
888
16:0/18:1/20:4 TAG
Relative Int nsity (%)
100
80
60
40
20
0
550
600
650
200
400
600
800
1000
m/z

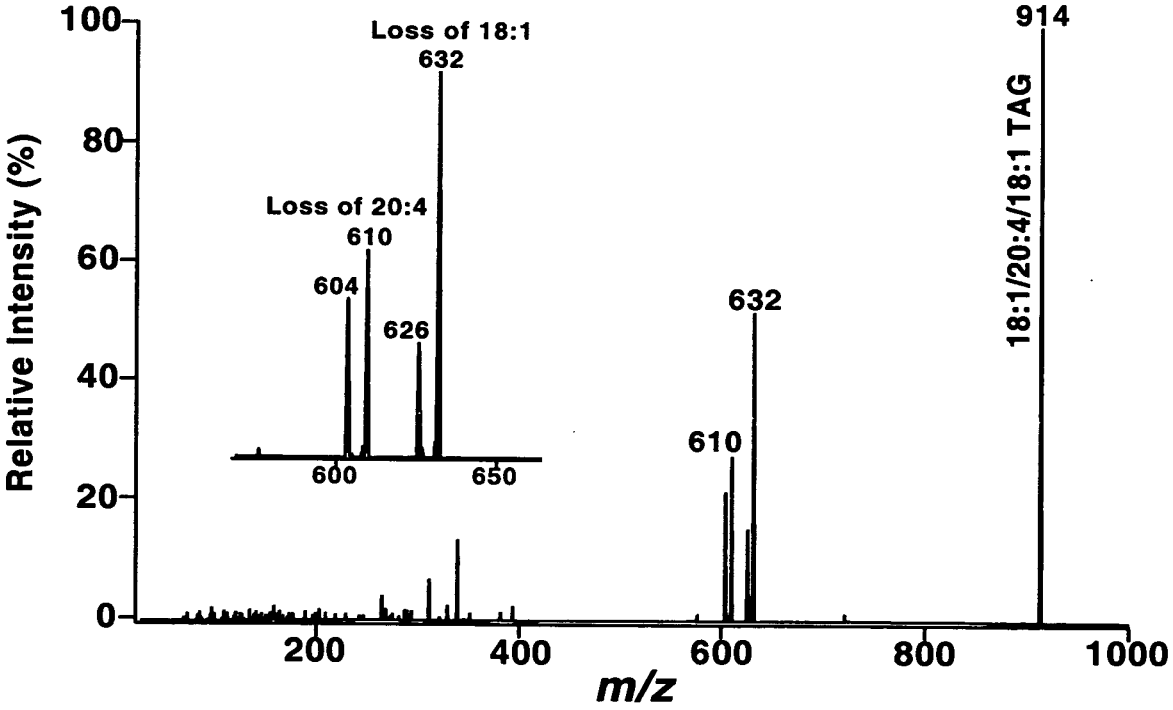

Loss of 18:1
632
Loss of 20:4
610
604
626
632
610
914
18:1/20:4/18:1 TAG
Relative Intensity (%)
100
80
60
40
20
0
600
650
200
400
600
800
1000
m/z

Figure 4

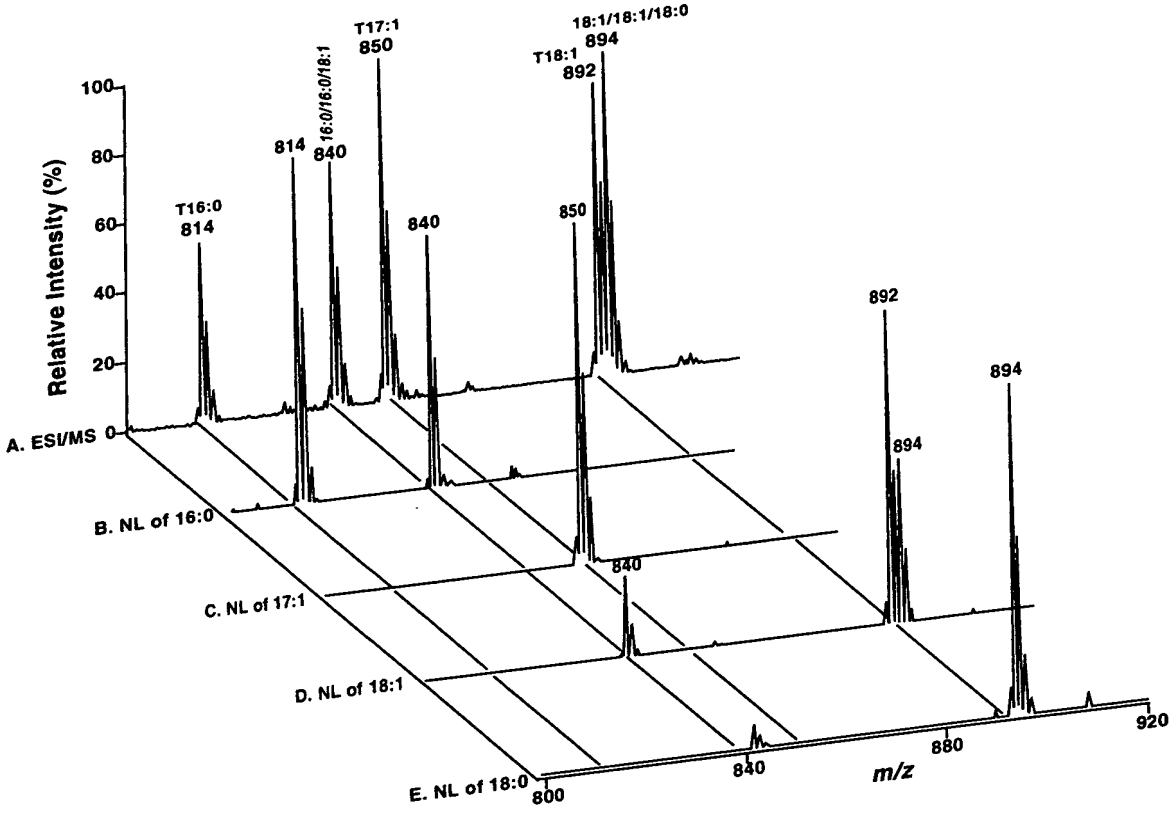
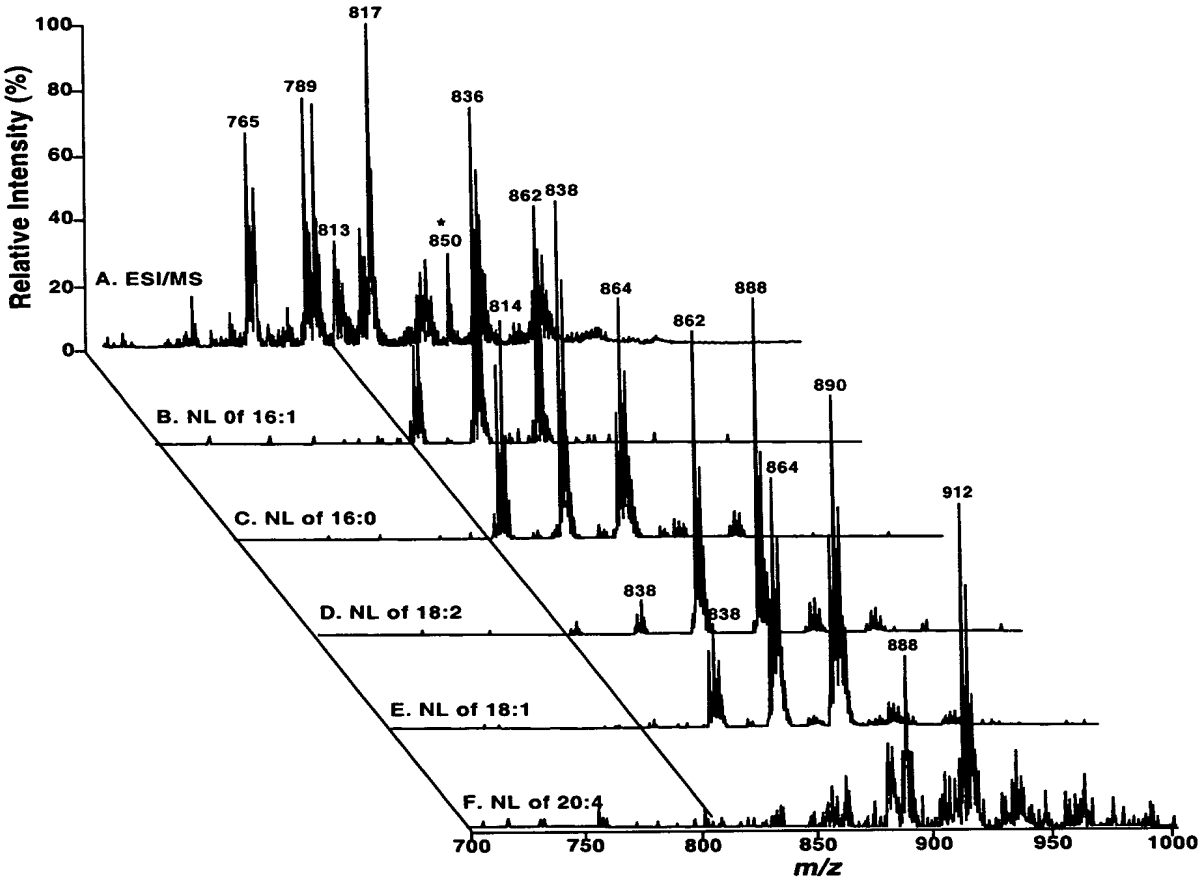

T17:1
850
18:1/18:1/18:0
894
T18:1
892
16:0/16:0/18:1
814
840
T16:0
814
840
850
892
894
894
840
Relative Intensity (%)
100
80
60
40
20
0
A. ESI/MS
B. NL of 16:0
C. NL of 17:1
D. NL of 18:1
E. NL of 18:0
800
840
880
920
m/z

Figure 5


Relative Intensity (%)
100
80
60
40
20
0
A. ESI/MS
765
789
817
813
836
850
862
838
814
864
862
888
B. NL 0f 16:1
890
C. NL of 16:0
864
912
D. NL of 18:2
838
838
E. NL of 18:1
888
F. NL of 20:4
700
750
800
850
900
950
1000
m/z